

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040585.D
 Acq On : 09 Oct 2020 15:43
 Operator : SY/MD
 Sample : L4349-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG189

Quant Time: Oct 10 04:21:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 04:13:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	149715	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	145255	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65566	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	53829	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.93	69	41677	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.58	63	76637	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.66	46	190910	48.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.18%
24) Chloroform-d	5.08	84	94399	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.72	65	59268	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.75	84	178490	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.70	67	59301	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.91	98	149171	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.19	79	23794	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.64	63	135945	47.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50942	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	60825	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

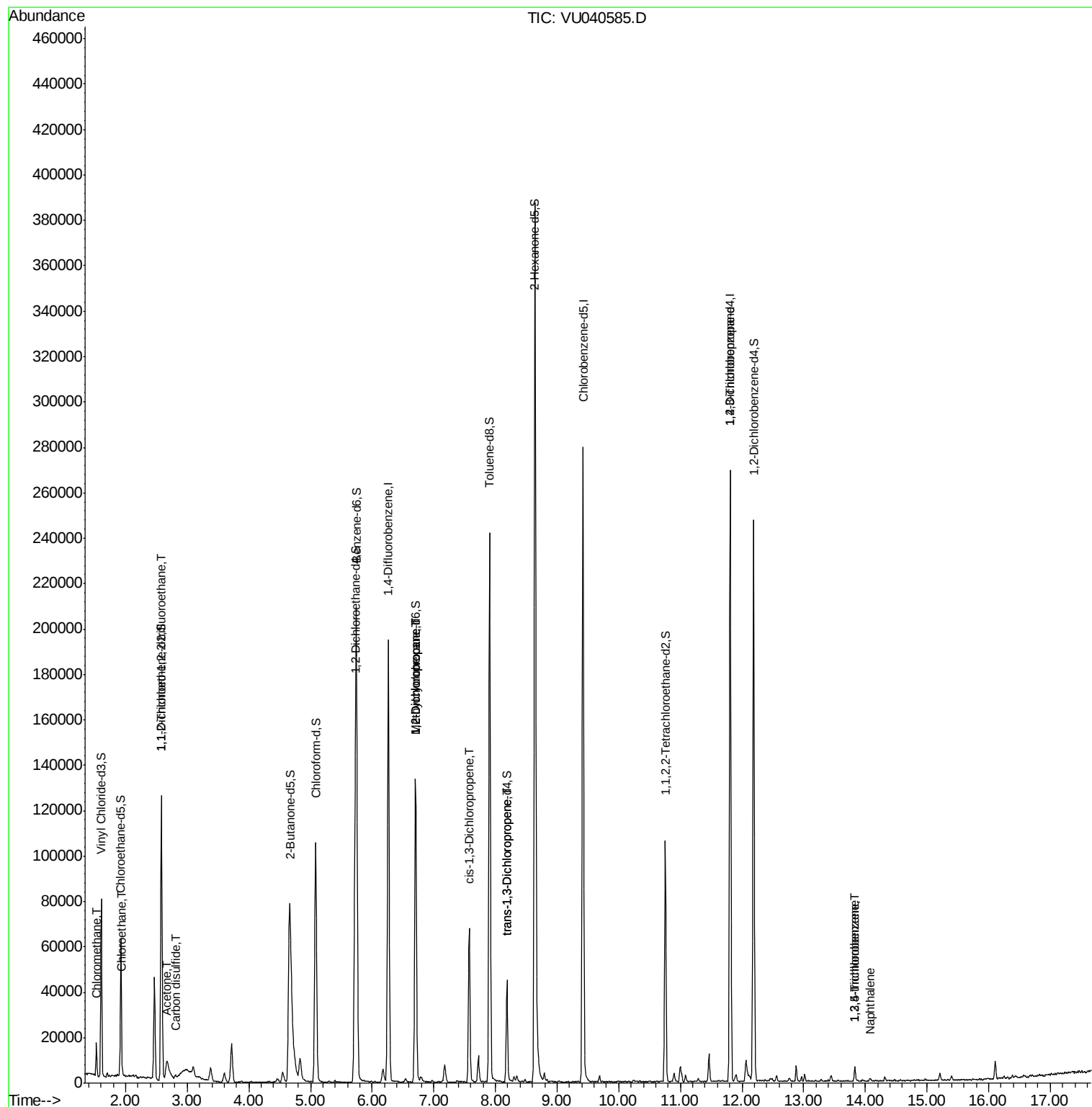
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	9634	0.759	ug/L	96
8) Chloroethane	1.94	64	646	0.076	ug/L #	70
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	688	0.055	ug/L #	20
13) Acetone	2.67	43	18648	6.060	ug/L	94
14) Carbon disulfide	2.81	76	2298	0.077	ug/L #	88
35) Methylcyclohexane	6.70	83	13967	0.814	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6859	0.528	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1665	0.094	ug/L #	46
44) trans-1,3-Dichloropropene	8.19	75	1041	0.064	ug/L #	49
59) 1,2,3-Trichloropropane	11.81	75	9271	0.971	ug/L	93
67) 1,3,5-Trichlorobenzene	13.83	180	1852	0.122	ug/L #	95
68) 1,2,4-trichlorobenzene	13.83	180	1852	0.157	ug/L	98
69) Naphthalene	14.08	128	1251	0.065	ug/L #	73

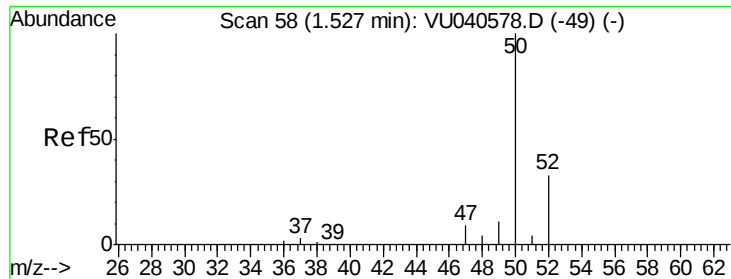
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.759 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040585.D

Acq: 09 Oct 2020 15:43

Instrument :

MSVOA_U

ClientSampleId :

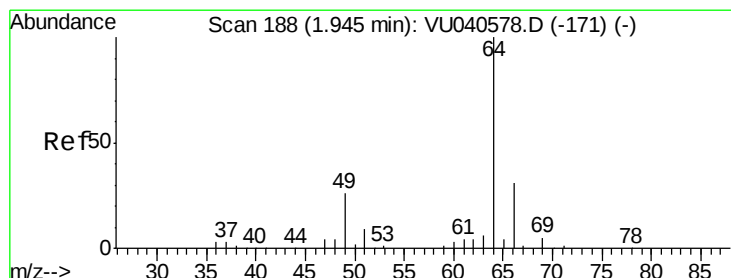
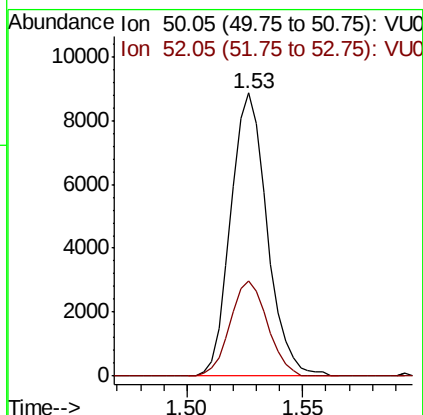
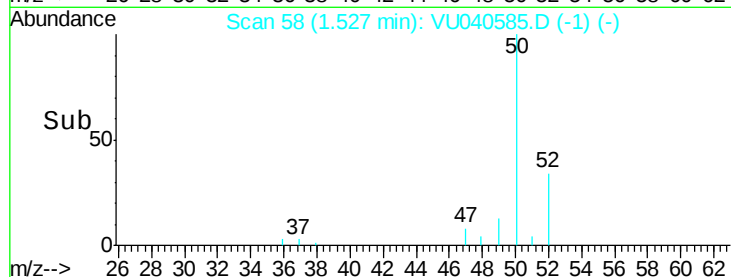
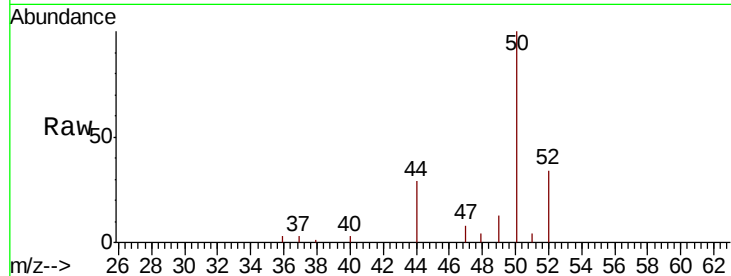
BG189

Tot Ion: 50 Resp: 9634

Ion Ratio Lower Upper

50 100

52 33.7 21.9 40.7



#8

Chloroethane

Concen: 0.076 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040585.D

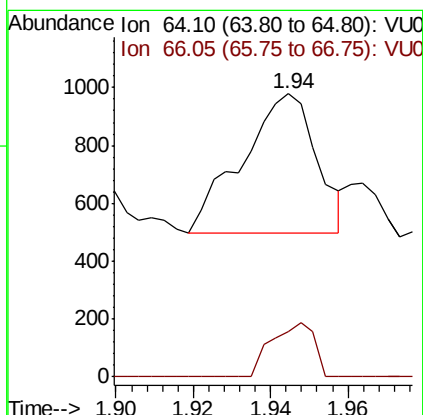
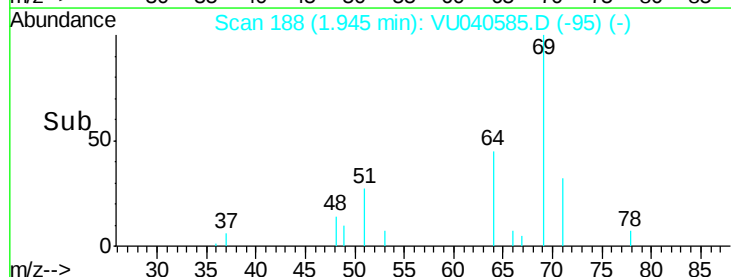
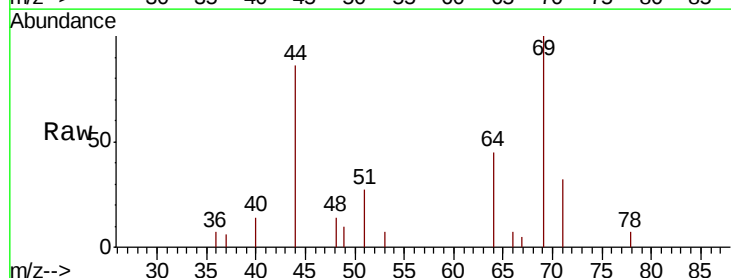
Acq: 09 Oct 2020 15:43

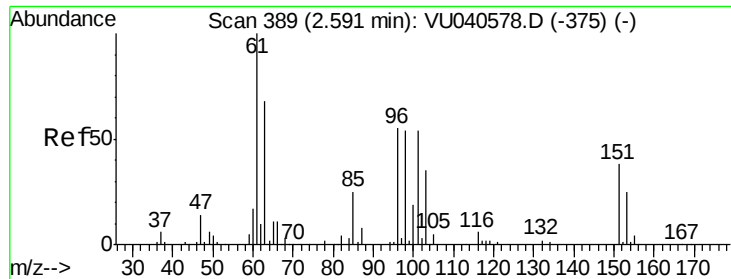
Tgt Ion: 64 Resp: 646

Ion Ratio Lower Upper

64 100

66 16.1 23.3 43.3#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.055 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040585.D

Acq: 09 Oct 2020 15:43

Instrument :

MSVOA_U

ClientSampled :

BG189

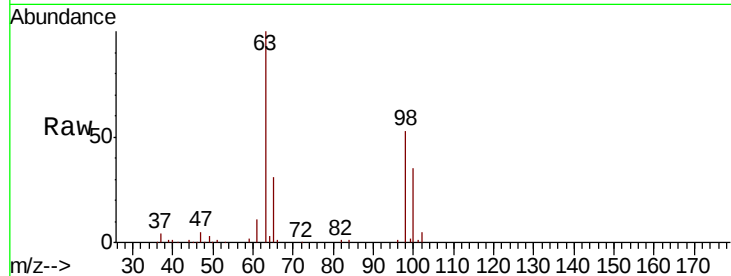
Tot Ion:101 Resp: 688

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

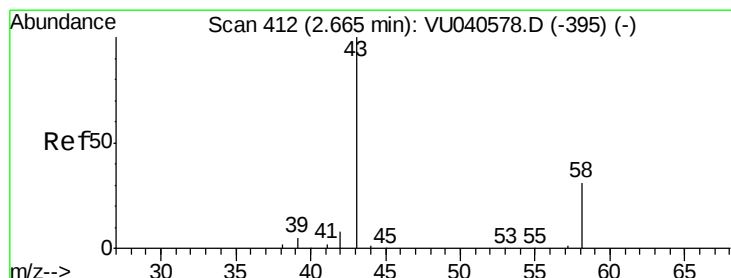
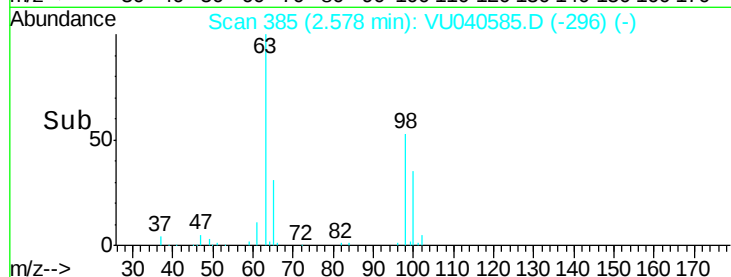
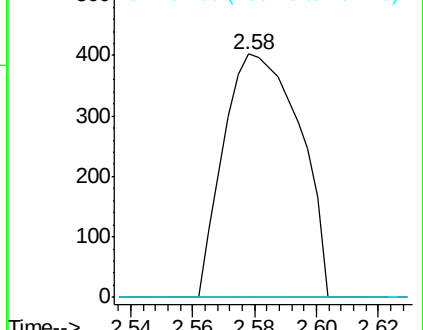
151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 6.060 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU040585.D

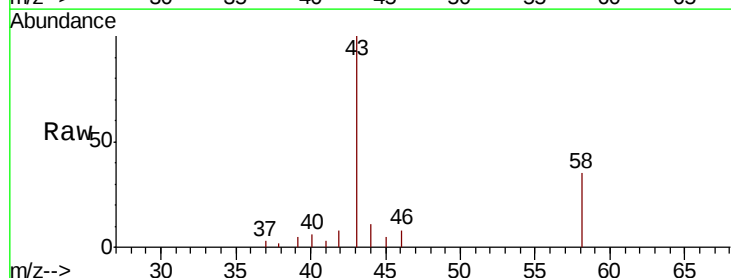
Acq: 09 Oct 2020 15:43

Tgt Ion: 43 Resp: 18648

Ion Ratio Lower Upper

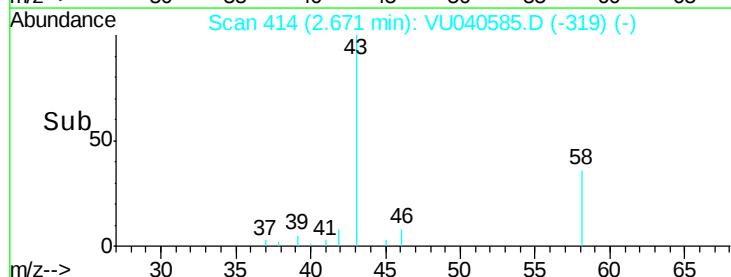
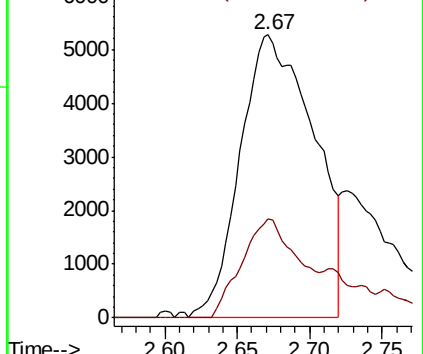
43 100

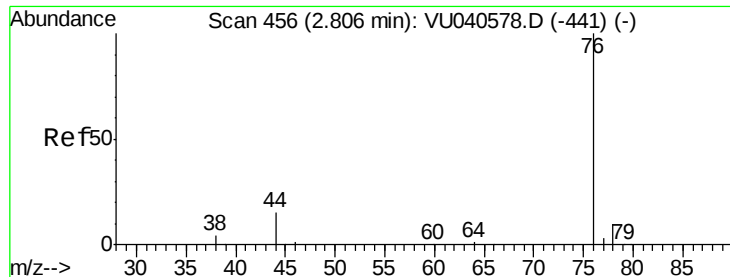
58 27.1 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.077 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040585.D

Acq: 09 Oct 2020 15:43

Instrument :

MSVOA_U

ClientSampled :

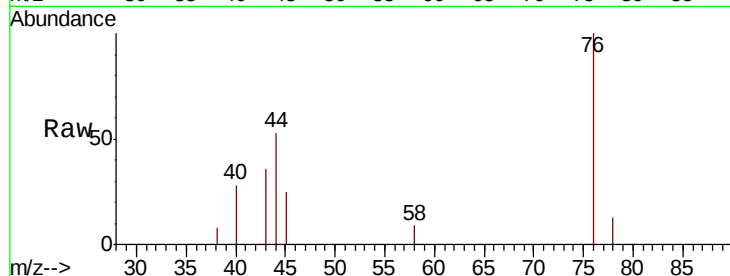
BG189

Tot Ion: 76 Resp: 2298

Ion Ratio Lower Upper

76 100

78 12.6 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

1500

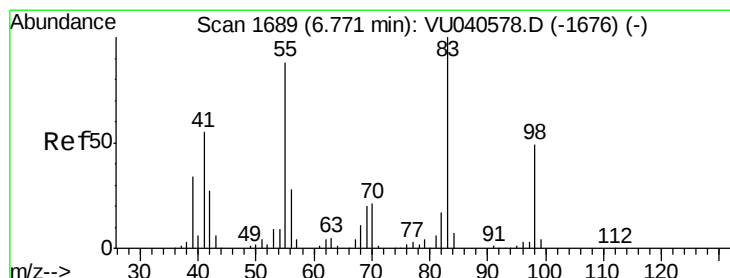
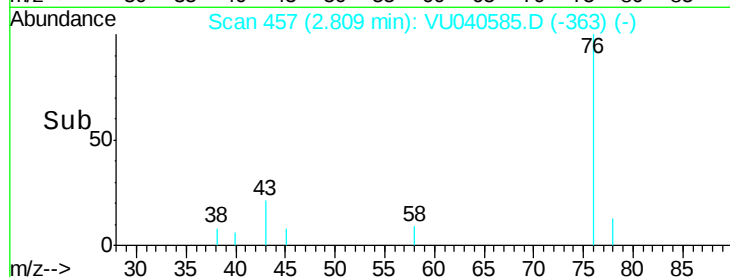
1000

500

0

2.80 2.85

Time-->



#35

Methylcyclohexane

Concen: 0.814 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040585.D

Acq: 09 Oct 2020 15:43

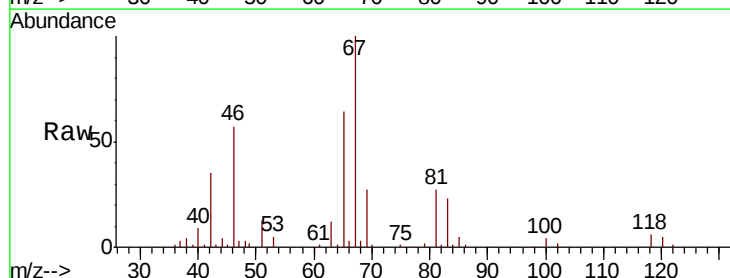
Tgt Ion: 83 Resp: 13967

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

98 1.2 38.4 57.6#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

10000

8000

6000

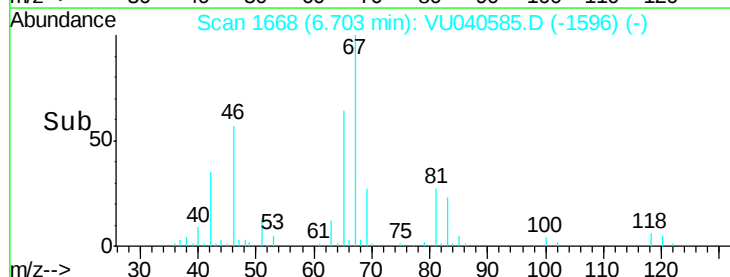
4000

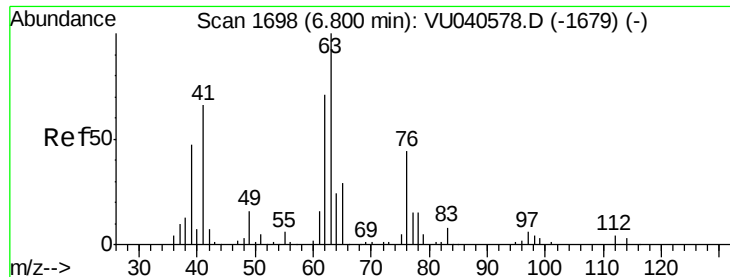
2000

0

6.65 6.70 6.75

Time-->

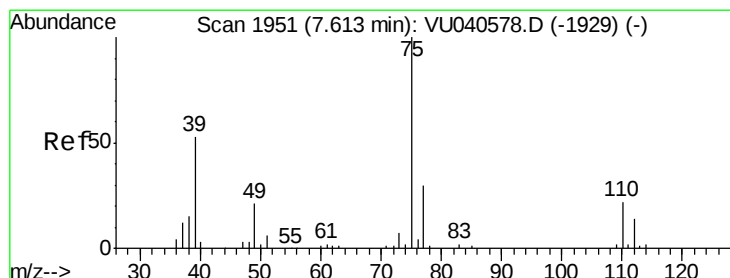
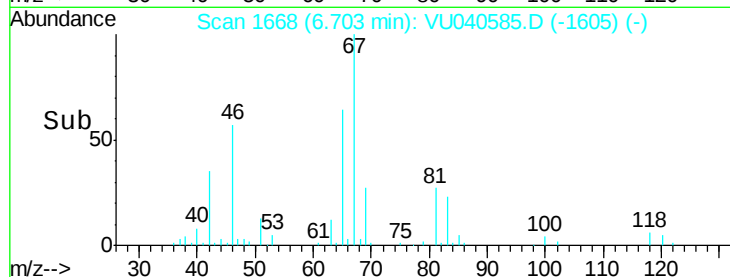
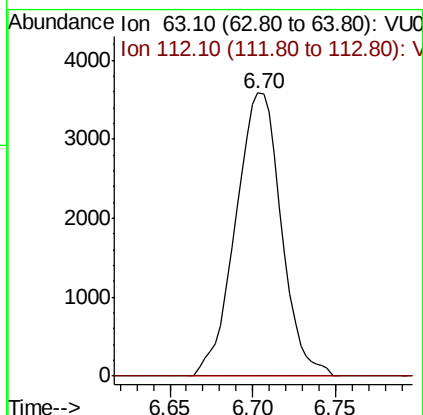
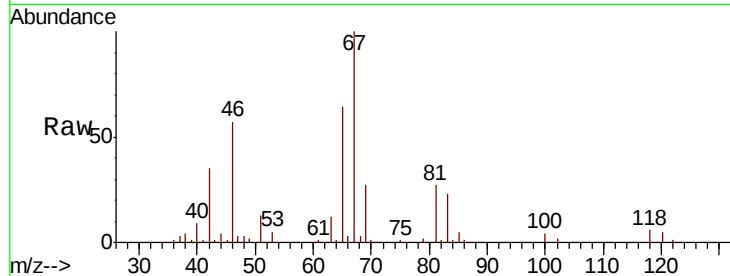




#37
 1,2-Dichloropropane
 Concen: 0.528 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040585.D
 Acq: 09 Oct 2020 15:43

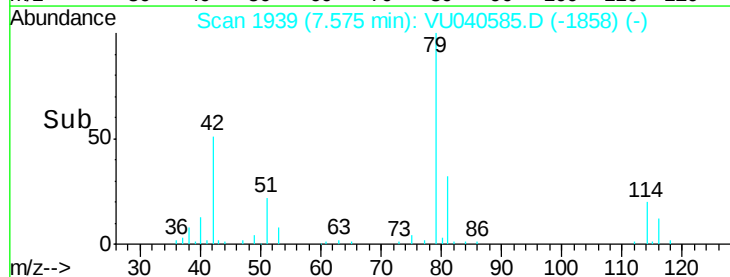
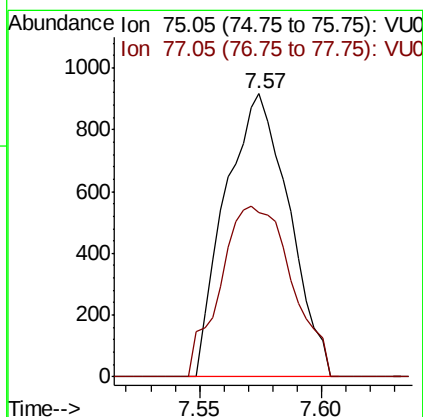
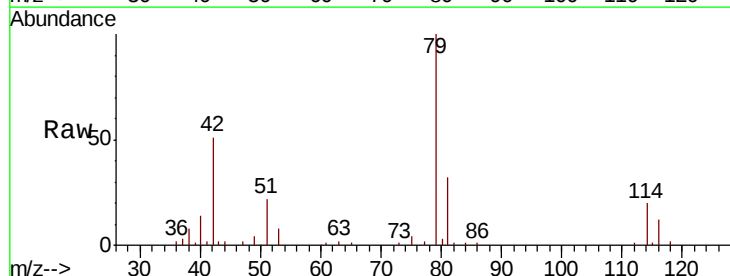
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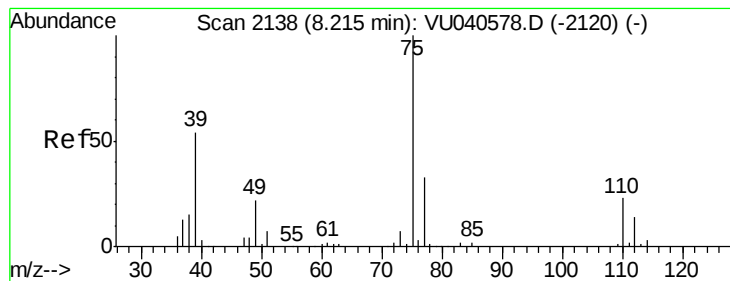
Tot Ion: 63 Resp: 6859
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040585.D
 Acq: 09 Oct 2020 15:43

Tgt Ion: 75 Resp: 1665
 Ion Ratio Lower Upper
 75 100
 77 58.1 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.064 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040585.D

Acq: 09 Oct 2020 15:43

Instrument :

MSVOA_U

ClientSampleId :

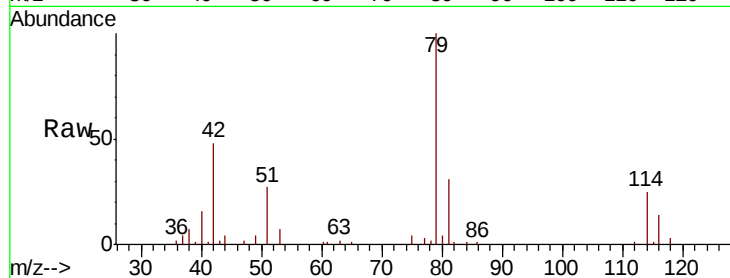
BG189

Tot Ion: 75 Resp: 1041

Ion Ratio Lower Upper

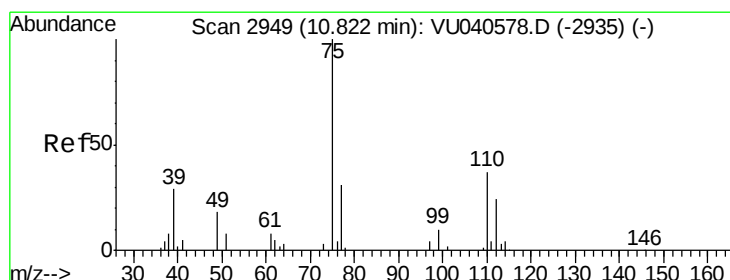
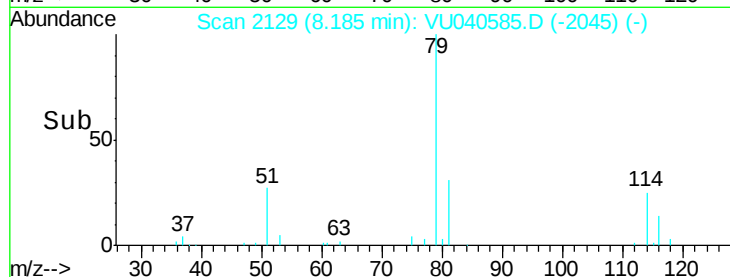
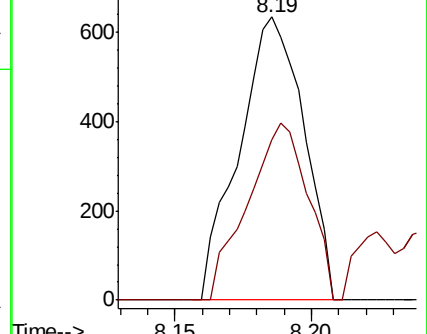
75 100

77 56.6 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 0.971 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040585.D

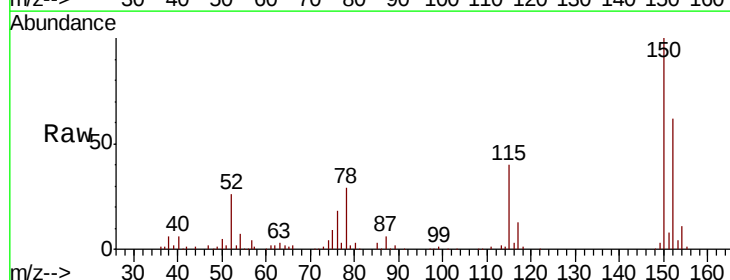
Acq: 09 Oct 2020 15:43

Tgt Ion: 75 Resp: 9271

Ion Ratio Lower Upper

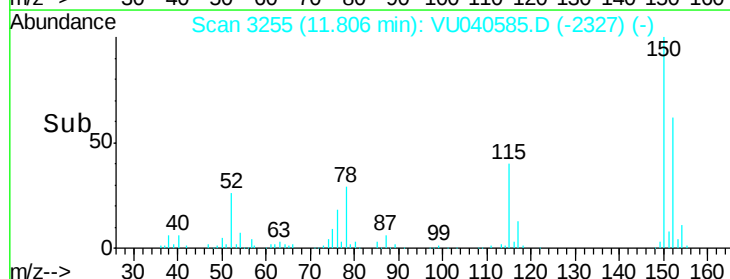
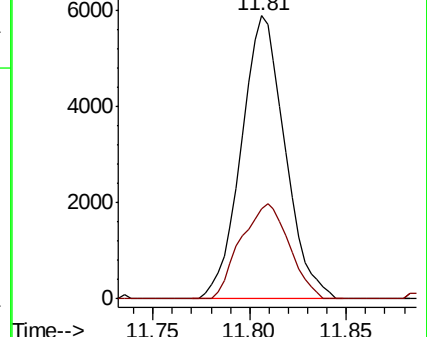
75 100

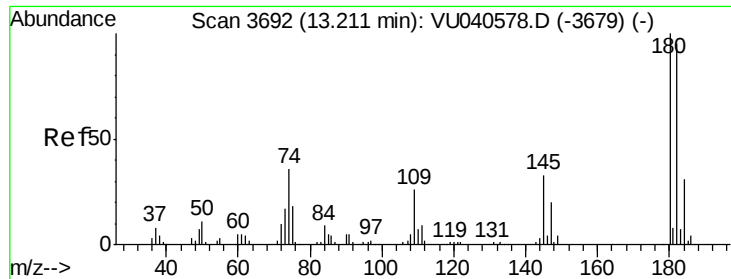
77 37.1 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

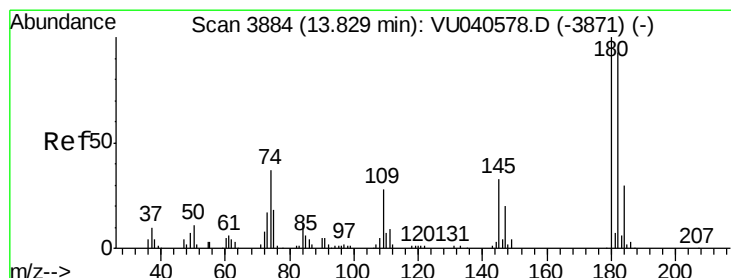
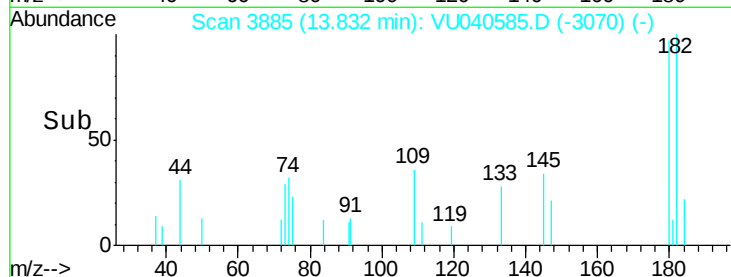
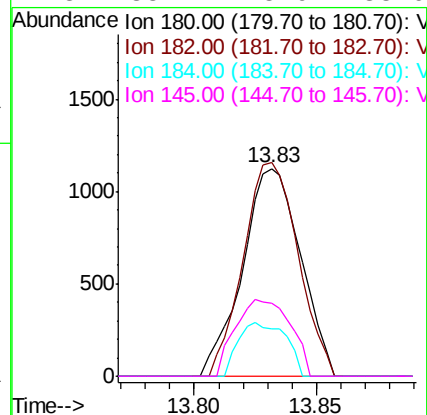
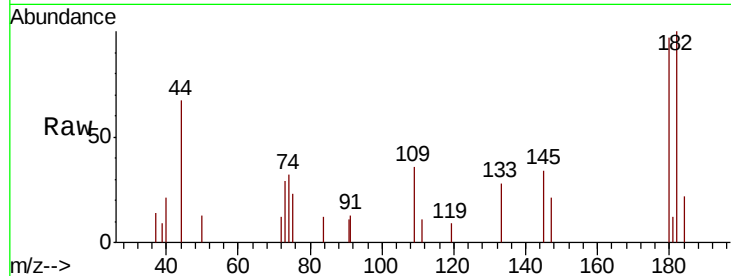




#67
 1,3,5-Trichlorobenzene
 Concen: 0.122 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.62 min
 Lab File: VU040585.D
 Acq: 09 Oct 2020 15:43

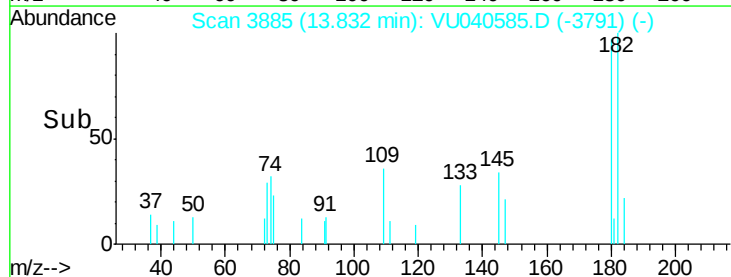
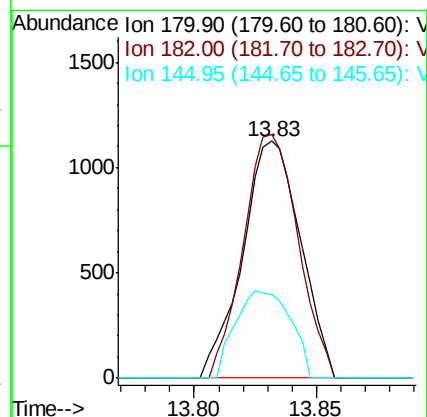
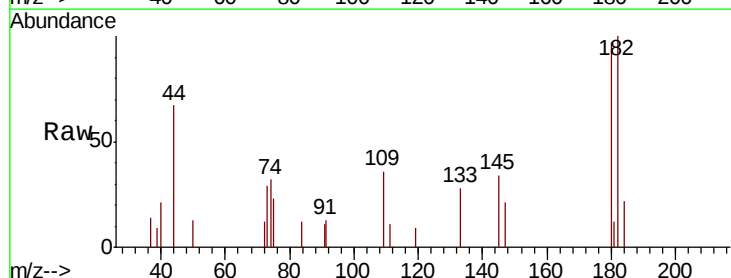
Instrument :
 MSVOA_U
 ClientSampleId :
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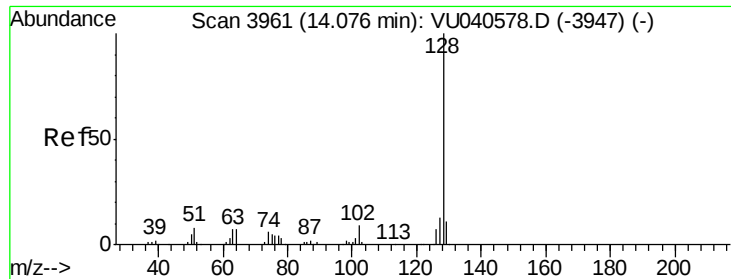
Tot Ion:180 Resp: 1852
 Ion Ratio Lower Upper
 180 100
 182 97.1 77.0 115.4
 184 21.1 24.5 36.7#
 145 35.2 25.9 38.9



#68
 1,2,4-trichlorobenzene
 Concen: 0.157 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040585.D
 Acq: 09 Oct 2020 15:43

Tgt Ion:180 Resp: 1852
 Ion Ratio Lower Upper
 180 100
 182 97.1 78.8 118.2
 145 35.2 26.1 39.1





#69

Naphthalene

Concen: 0.065 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040585.D

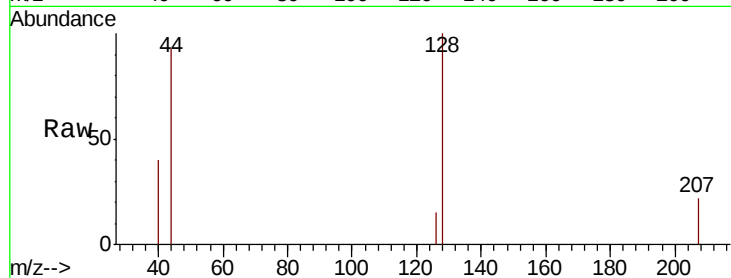
Acq: 09 Oct 2020 15:43

Instrument :

MSVOA_U

ClientSampleId :

BG189



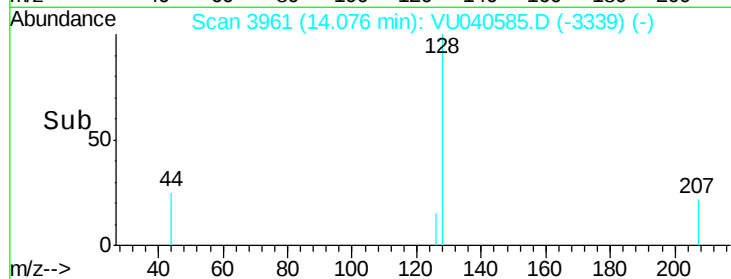
Tot Ion:128 Resp: 1251

Ion Ratio Lower Upper

128 100

129 1.6 9.0 13.4#

127 1.8 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

